

DERWENT-ACC-NO: 1994-031322

DERWENT-WEEK: 200522

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TITLE: Prodn of polyvinyl alcohol film suitable for
optical components by film casting process - comprising
flowing and spreading aq PVA soln over film casting
part to form liq film, drying and stripping film from
casting part

PATENT-ASSIGNEE: KURARAY CO LTD [KURS]

PRIORITY-DATA: 1992JP-0179334 (June 11, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 3632929 B2	March 30, 2005	N/A
010 B29C 041/12		
<u>JP 05337967 A</u>	December 21, 1993	N/A
008 B29C 041/12		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 3632929B2	N/A	1992JP-0179334
June 11, 1992		
JP 3632929B2	Previous Publ.	JP 5337967
N/A		
JP 05337967A	N/A	1992JP-0179334
June 11, 1992		

INT-CL (IPC): B29C041/12, B29K029:00, B29L007:00, C08J005/18, C08L029:04

ABSTRACTED-PUB-NO: JP 05337967A

BASIC-ABSTRACT:

A process for the prodn. of polyvinyl alcohol (PVA) film is characterised by controlling its water content under 10 wt.% at a stripping stage in a film

casting process which comprises: (1) flowing and spreading an aq. PVA soln. over a film casting part to form a liq. film, (2) drying the liq. film and (3) stripping resulting dried film from the film casting part.

USE/ADVANTAGE - The prod. is suitable for optical components such as a polarising film, a phase contrast film, etc. because it has small local fluctuations of thickness and molecular orientation and a high max. drawing magnification.

In an example, an aq. PVA soln. containing 100 pts.wt. of PVA prep'd. by saponification of a polyvinyl ester, 12 pts.wt. of glycerine and 60 wt.% of water (on wet base) is fed to the die of a belt-type machine for film casting, flowed and spread over the moving belt driven by two rollers and dried by heating up to 150 deg.C in a hot air stream for a period of 120 secs. and dried film is stripped with the roller. The dried film has a water content of 9.0 wt.%.

CHOSEN-DRAWING: Dwg. 0/4

TITLE-TERMS: PRODUCE POLYVINYL ALCOHOL FILM SUIT OPTICAL COMPONENT FILM CAST

PROCESS COMPRISE FLOW SPREAD AQUEOUS PVA SOLUTION FILM CAST PART

FORM LIQUID FILM DRY STRIP FILM CAST PART

DERWENT-CLASS: A14 A32 A89

CPI-CODES: A10-E09B2; A11-B04C; A12-S06A;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0229 0780 2006 2007 2008 2179 2198 2371 2372 2386 2413
2441 2509

2513 2590 2654 2677 2851 3240

Multipunch Codes: 017 03- 066 231 244 245 359 387 388 395 398 402 408
409 428

431 435 516 519 528 529 53& 57- 575 596 649 687 688 722

SECONDARY-ACC-NO: